



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.11.2018 Bulletin 2018/45

(51) Int Cl.:
B60K 5/12 (2006.01) **B62D 21/15 (2006.01)**
B60K 5/04 (2006.01)

(43) Date of publication A2:
19.09.2018 Bulletin 2018/38

(21) Application number: **18153382.9**

(22) Date of filing: **25.01.2018**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
 Designated Extension States:
BA ME
 Designated Validation States:
MA MD TN

(71) Applicant: **Ford Global Technologies, LLC**
Dearborn, MI 48126 (US)

(72) Inventor: **SPURLING, Michael**
Romford, Essex RM3 0GN (GB)

(74) Representative: **Haseltine Lake LLP**
Lincoln House, 5th Floor
300 High Holborn
London WC1V 7JH (GB)

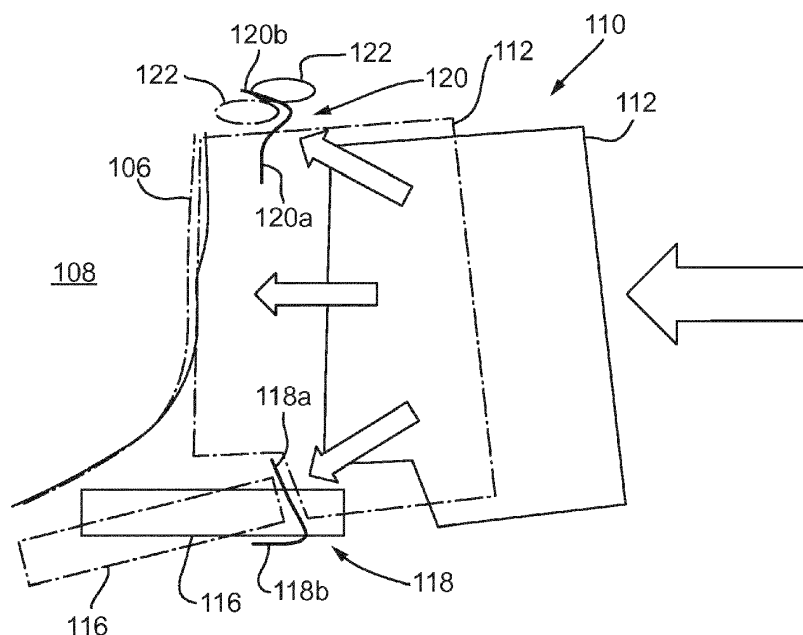
(30) Priority: **13.03.2017 GB 201703959**

(54) **AN ENGINE ASSEMBLY**

(57) An assembly for a motor vehicle is provided. The assembly comprises: an engine assembly; a first engine catch hook coupled to the engine assembly, wherein the first engine catch hook comprises a hook portion configured to engage a subframe of the motor vehicle during a collision and transfer load from the engine assembly to the subframe; and a second engine catch hook coupled to the engine assembly, wherein the second engine catch

hook comprises a hook portion vertically spaced apart from the hook portion of the first engine catch hook and configured to engage the catch structure during the collision and transfer load from the engine into a catch structure, wherein the catch structure is at an upper end of a bulkhead structure between an engine bay and an interior of the vehicle.

Fig. 5





EUROPEAN SEARCH REPORT

Application Number
EP 18 15 3382

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	FR 3 031 950 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 29 July 2016 (2016-07-29) * page 5, lines 18-29 * * page 7, lines 11-20 * * figures 2, 7 *	1-15	INV. B60K5/12 B62D21/15 B60K5/04
A	FR 2 976 251 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 14 December 2012 (2012-12-14) * claims 1-3 * * figures 3, 4 *	1-15	
A	FR 2 972 414 A1 (PEUGEOT CITROEN AUTOMOBILES SA [FR]) 14 September 2012 (2012-09-14) * abstract * * figures *	1-15	
A	DE 10 2009 049873 A1 (AUDI AG [DE]) 21 April 2011 (2011-04-21) * abstract * * figure *	1-15	TECHNICAL FIELDS SEARCHED (IPC) B60K B62D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 September 2018	Examiner Adacker, Jürgen
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03/02 (P04/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 18 15 3382

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-09-2018

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	FR 3031950	A1	29-07-2016	NONE

	FR 2976251	A1	14-12-2012	NONE
15	-----			
	FR 2972414	A1	14-09-2012	NONE

	DE 102009049873	A1	21-04-2011	NONE
20	-----			
25				
30				
35				
40				
45				
50				
55				

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82